

METHOD FOR PARALLEL TYPE INTERFERENCE CANCELLATION
IN CODE DIVISION MULTIPLE ACCESS RECEIVER

5 Field of the Invention

The present invention relates to a method for parallel interference cancellation in a CDMA (code division multiple access) receiver, and, more particularly, to a method for
10 parallel type interference cancellation in a CDMA receiver, by which minimum processing delay time is required while ensuring performance of an interference cancellation device, and space for embedding hardware for implementing the method can be reduced.

15 Prior Art of the Invention

CDMA (code division multiple access) is one of multiple access technologies, which uses a spread spectrum scheme, and
20 a radio telecommunication scheme for transceiving signals of a number of users by sharing time and frequency.

In order to cancel unwanted signals of other users or other paths from received data that includes asynchronous signals from other terminals or via multi-path channels, an
25 interference canceller is used in a CDMA receiver. As conventional interference cancellers, there are serial type interference cancellers, parallel type interference cancellers,